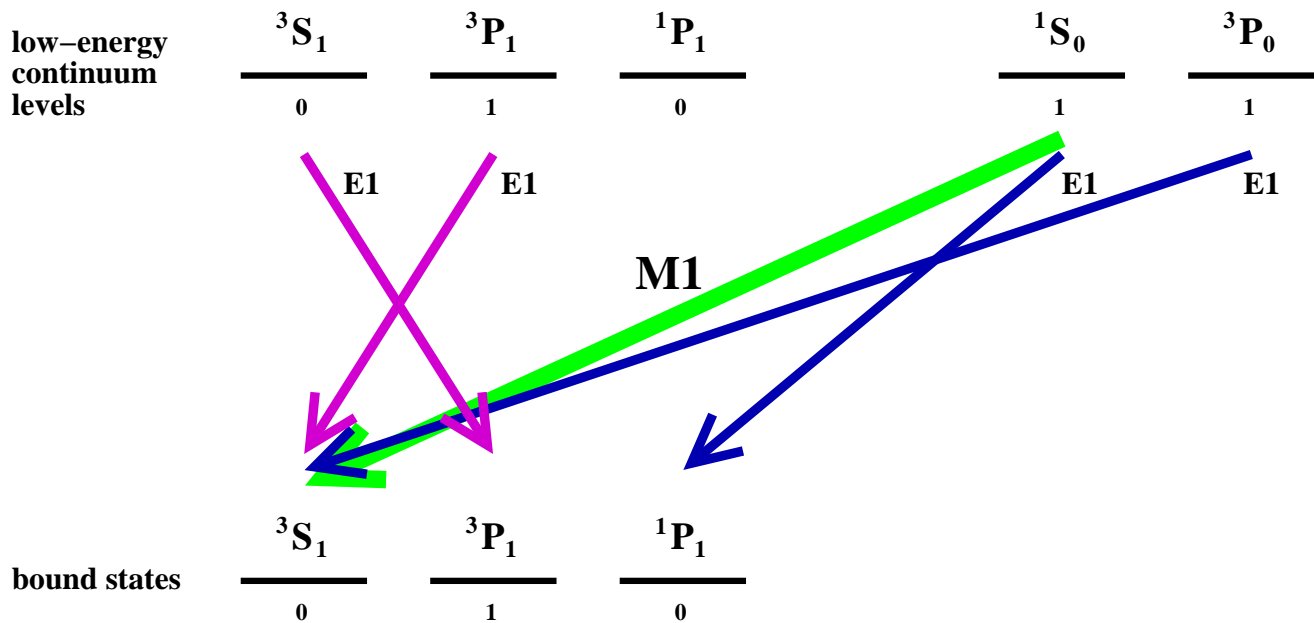


n – p system: $\frac{2S+1 L_J}{\text{isospin}}$



Capture is M1: 1S_0 to spin-1 deuteron 3S_1 (ignoring D-state contributions).

Parity violation arises from mixing of P states and interference of the E1 transitions.

A_γ cannot come from $J=0$ capture states, so it must come from $^3S_1 - ^3P_1$ mixing.

Therefore A_γ results from $\Delta I = 1$ terms in the weak Hamiltonian.